Trough Stion



PCT

RECTO O 1 APR 2005 INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference			
03PCT378-WDZ	FOR FURTHER AC		See Form PCT/IPEA/416
International application No.	International filing dat	te (day/month/year)	Priority date (day/month/year)
PCT/CN03/00926	31. October 2	003 (31.10.03)	05. November 2002(05.11.02)
International Patent Classification (IPC) or	national classification as	nd IPC	
	IPC 7 B25B 13/24	,13/08, 13/58	
		•	
Applicant			
	LU, Hon	g 	
This report is the international preliming under Article 35 and transmitted to the content of the content	nary examination report applicant according to	t, established by this Int Article 36.	ternational Preliminary Examining Authority
2. This REPORT consists of a total of	4	sheets, including the	his cover sheet.
3. This report is also accompanied by AN	NEXES, comprising:		
a. (sent to the applicant and to the	he International Rureau	l a total of	chante of C.N.
sheets of the description.	claims and/or drawing	s which have been ame	sheets, as follows:
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).			
sheets which supersede e	sheets which supersede earlier sheets, but which this Authority considers contain an annual and a		
the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.			
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).			
4. This report contains indications relating	g to the following items	S :	
Box No. I Basis of the rep	ort		
☐ Box No. II Priority			
☐ Box No. III Non-establishme	ent of opinion with regar	rd to novelty, inventive	step and industrial applicability
☐ Box No. IV Lack of unity of			· · · · · · · · · · · · · · · · · · ·
Box No. V Reasoned stateme	ent under Article 35(2) v	vith regard to novelty, in	nventive step or industrial applicability;
citations and expl	anations supporting sucl	h statement	a made an approaching,
Box No. VI Certain document			
Box No. VII Certain defects in	n the international applic	cation	
	tions on the international		
Date of submission of the demand			
		Date of completion of the	his report
02.Jun 2004 (02.06.04)		08.1	Mar 2005 (08.03.05)
Name and mailing address of the IPEA/	, ,	Authorized officer	
	·		Zhang Isiquan
Facsimile No.			
orm PCT/IPEA/409 (cover sheet) (January 20	204)	Telephone No. 86-10-	62085461

	Internation
	Internation plication No.
1	PCT/CN03/00926

Box	No.	I —	Basis of the report	
1.	Witl other	n rega wise	egard to the language, this report is based on the international application in the language in which it is indicated under this item.	was filed, unless
]	This which	his report is based on translations from the original language into the following language hich is the language of a translation furnished for the purposes of:	
			international search (under Rules 12.3 and 23.1(b))	
			publication of the international application (under Rule 12.4)	
			international preliminary examination (under Rules 55.2 and/or 55.3)	
		xed t	egard to the elements of the international application, this report is based on (replacement sheets whit receiving Office in response to an invitation under Article 14 are referred to in this report as "original and to this report):	ch have been furnished ally filed" and are not
			ne international application as originally filed/furnished	
	Ш		ne description:	
				ally filed/furnished
			received by this Authority on	
_			received by this Authority on	
E]		e claims:	
				inally filed/furnished
			pages as amended (together with any state	ment)under Article 19
			received by this Authority on	
		F6	received by this Authority on	
] 1		drawings:	
				lly filed/furnished
			ages received by this Authority on ages	
		pag	ages received by this Authority on	
] a	ı seqı	equence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.	
3. L	┙.	The a	e amendments have resulted in the cancellation of:	
			the description, pages	
			die claufis, Nos.	
			the drawings, sheets/figs	
			the sequence listing (specify):	
			any table(s) related to sequence listing (specify):	
4. [T 🗀 s	his re ince t	s report has been established as if (some of) the amendments annexed to this report and listed below to they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental B	had not been made,
			the description, pages	0.2(0)).
			the claims, Nos.	
			the drawings, sheets/figs	
			the sequence listing (specify):	
			any table(s) related to sequence listing (specify):	
* 1	f ite	m 4 a	4 applies, some or all of those sheets may be marked "superseded."	
rm PC	T/ID	12 A //	4/409 (Box No. D. (January 2004)	

Box No. V Reasoned statement unde citations and explanation	or Article 35(2) with regard to novelty, inventive step or inc s supporting such statement	lustrial applicability;
1. Statement:		
Novelty (N)	Claims 2-10 Claims 1	YES NO
Inventive step (IS)	Claims3,5,6,8,9 Claims1,2,4,7,10	YES NO
Industrial applicability (IA)	Claims 1-10 Claims None	YES NO

2. Citations and explanations (Rule 70.7)

Document cited in the International Search Report:

D1:US4,706,528; D2: CN1025300C.

The closest prior art is represented by document cited US4,706,528 (D1). Said D1 disclosed a single wedge-type wrench (see Fig 8, lines 53 of Column 3 - lines 4 of Column 4), which includes two jaws (10,26), the clamping surface of one (26) of them being zigzag (38). In addition, said wrench includes a wedge (16) provided with a zigzag clamping surface (18). Said wedge (16) is mounted on the inner surface of the other one (10) of said two jaws (10,26) by means of a connection member (24), which can slide along said inner surface. As noted above, the Document 1 has disclosed all of the technical features which claim 1 requests. Therefore, claim 1 doesn't satisfy the criteria set forth in PCT Art. 33(2), hence involving no novlety.

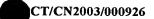
Said D2 disclosed that there is provided a kind of M-C wedge type spanner, both claws or one claw have a wedge device comprised of spring, locating pin or screw, pressing sheet and cylindrical wedge, the axis of the wedge makes an angle of 10-35 degree with the claws. On the slant face of the wedge there are 1-6 working teeth which can match the corners of a nut to form selflock condition of working teeth face; the spanner is capable to enlarge its using range and to screw a blunt nut with the aid of the toothed wedge which can expand and contract.

Said dependent clamis 2,4,7,10 further define the claim they refer to. The additional technical features of said dependent claims are disclosed in said D1 and D2(see Abstract and Fig 1), too. Therefore, it is obvious for skilled persons in the art, to combine the Document 2 on the basis of the Document 1, so as to achieve the art scheme claimed in the claims. Moreover, in the condition that the claim 1 they refer to does not possess novelty, claims 2,4,7,10 don't satisfy the criteria set forth in PCT Art. 33(3), hence involving no inventiveness.

Because the subject matter of claims 1-10 involves industrial applicability, claims 1-10 meet the requirements of PCT Art. 33(4), indeed.

(day/month/year)

PCT/CN03/00926 Box No. VI Certain documents cited				
Certain published documents (Rule 70.10)				
Application No. Patent No.	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim (day/month/year)	
US4706528A	17-11-87	.21-10-86	None	
CN1025300C	06-07-94	17-07-92	None	
·				
N. W. W. W. B.				
2. Non-written disclosures (Ru	le 70.9)			
Kind of non-written disclos	ure Date of non-wri		Date of written disclosure erring to non-written disclosure	





VIII-3-1	声明: 有权要求优先权	
	关于申请人在国际申请日有权要求下面指明的在先申请优先权的声明,如果该申请人不是在先申请的申请人或在提交在先申请后,申请人的姓名进行了变更。(4.17(iii)和51之二.1(a)(iii)):	关于本 国际申请
	名称:	鲁宏
		基于下列事项,有权要求申请号为022706
		76.3的在先申请的优先权:
VIII-3-1		申请人是通过在先申请寻求保护的主题
(i)		的发明人
VIII-3-1	本声明是对:	所有指定国
(ix)		